

DUKOLL™

Bonding your roots



DUF FOUNDATION GROUT

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DESCRIPTION

DU FOUNDATION GROUT is supplied as a ready to use dry powder. The addition of a controlled amount of clean water produces a free flowing, non-shrink grout. DU FOUNDATION GROUT is a blend of Portland cement, graded fillers and chemical additives which

impart controlled expansion in the plastic state whilst minimizing water demand. The low water demand ensures high early strength. The graded fillers are designed to assist uniform mixing and produce a consistent grout.

SPECIFICATION

- For precision grouting where it is essential to withstand static and dynamic loads
- Grouting of base plates of turbines, compressors, boiler feed pumps etc.
- For anchoring a wide range of fixings these include masts, anchor bolts and fence posts.

FEATURES & BENEFITS

- Gaseous expansion system compensates for shrinkage and settlement in the plastic state.
- No metallic iron content to cause staining.
- Pre-packed material overcomes onsite batching variations.
- Develops high early strength without the use of chlorides.
- High ultimate strength ensures the durability of the hardened grout.
- Free flow ensures high level of contact with load bearing area.



TEST REPORT (TILES ADHESIVE)

PROPERTIES	RESULTS
Appearance	Grey Cement Powder
Density	2200 to 2250 Kg/m3
PH value	7 TO 8
Compressive strength	>25 N/mm2 @ 1 day >45 N/mm2 @ 7 days >60 N/mm2 @ 28 days
Tensile strength:	>3.5N/mm2 @ 28 days
Flexural strength	>10N/mm2 @ 28 days
Coefficient of thermal expansion	11 x 10 ⁻⁶ / OC
Time for expansion Start:	20 MINS
Finish:	120 MINS

Note: Surface can be used after 14days* (*)-denotes approximate time, can vary as per site conditions.

APPLICATION INFORMATION

- The substrate surface must be free from oil, grease or any loosely adherent material. If the concrete surface is defective or has laitance, it must be cut back to a sound base.
- Immediately before grouting takes place any free water should be removed with particular care being taken to blow out all bolt holes and pockets.
- The formwork should be constructed to be leak proof.
- Generally the gap width between the perimeter formwork and the plate edge should not be more than 75mm.
- For best results a mechanically powered grout mixer should be used.
- Place the grout within 20 minutes of mixing to gain full benefit of the expansion process
- For thicker sections it is necessary to fill out DU FOUNDATION GROUT with well graded silt free aggregate to minimize heat buildup.
- Sufficient grout must be prepared before starting. The time taken to pour a batch must be regulated to the time to prepare the next one.

LIMITATIONS

Low temperature working: When the air or contact surface temperatures are 10°C or below on a falling

thermometer, warm water (30°C - 40°C) is recommended to accelerate strength development.

High temperature working: At ambient temperatures above 40°C, cool water (below 20°C) should be used for mixing the grout prior to placement.

Curing: On completion of the grouting operation, exposed areas should be thoroughly cured. This should be done by the use of DU WCC curing membrane, continuous application of water and/or wet hessian.

PACKAGING

DU FOUNDATION GROUT is supplied in 40 kg bags.

SHELF LIFE & STORAGE

Minimum of 6 months shelf-life if kept under room temperature (i.e. 27°C).

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent material safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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